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| Application No. | Applicant(s)    |  |
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| 09/901,871      | CERVELLO ET AL. |  |
| Examiner        | Art Unit        |  |

| <b>/</b> | Rejected | - | _ | (Through numeral)<br>Cancelled |
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| Claim Date |            |          |                 |              |              |  | -  | Claim Date     |              |              |     |       |           | 7:             | Claim Date |          |                |          |          |          |  |          |       |            |          |              |           |              |              |              |              |  |
|------------|------------|----------|-----------------|--------------|--------------|--|--|----------------|--------------|--------------|-----|-------|-----------|----------------|------------|----------|----------------|----------|----------|----------|--|----------|-------|------------|----------|--------------|-----------|--------------|--------------|--------------|--------------|--|
|            |            |          |                 |              |              | Π  |  |                | Γ            | _            | ļ., |       |           |                |            |          |                |          | $\Box$   | П        |  | 7        |       |            |          |              | Γ         | T            |              |              |              |  |
| Final      | ig.        | 129      | l               |              |              |  |  |                |              |              |     | Final | ij.       |                |            |          |                |          |          |          |  | - 1 '    | Final | <u>i</u>   | . 1      |              | 1         |              |              |              |              |  |
| ট          | Original   | 12/16/20 | 1               | ŀ            |              |  | ]  |                |              | ·            |     | ίΞ    | Original  |                |            |          |                |          |          |          |  | 1        | 证     | Original   |          |              |           |              |              |              |              | i                                      |
|            |            | _        | <u> </u>        |              | _            |  |  |                |              |              |     |       |           |                |            |          |                |          |          |          |  |          |       |            |          |              |           |              | $\perp$      |              | L            |  |
|            | 1          | ٧        |                 |              |              |  |  |                | L            |              |     |       | 51        |                |            |          |                |          |          | _        | $\perp$  | _        |       | 101        |          | $\perp$      |           | $\perp$      | ↓_           | ↓_           | L            | L                                      |
| <u></u>    | 2          | v        |                 |              | <u> </u>     | <u> </u>   | <u> </u>   |                | _            |              |     |       | 52        | L_             |            |          | ,              |          | _        | _        | $\perp$  | _        |       | 102        | $\dashv$ | _            | $\bot$    |              | ┸            | ┖            | _            |  |
|            | 3          | ٧        |                 |              |              | <u> </u>   | <u> </u>   | Ш              |              | <u> </u>     |     |       | 53        |                |            |          |                |          |          | _        |  | ·        |       | 103        | $\dashv$ |              | 1         | _            |              | <u> </u>     |              | $oxed{oxed}$                           |
|            | 4          | ٧        | <u> </u>        |              |              | <u> </u>   | <u> </u>   |                |              |              |     |       | 54        | _              |            |          |                |          | _        | 4        | _  | վ՝       |       | 104        | $\dashv$ |              | _         | ┸            | _            | ╄            | _            | ╙                                      |
|            | 5          | V        | <u> </u>        |              |              |  | <u> </u>   |                | L.           |              |     |       | 55        |                |            |          |                |          |          | _        | _  |          |       | 105        |          | _            | 4         |              | _            | ـــــ        | ╙            | ــــــــــــــــــــــــــــــــــــــ |
|            | 6          | ٧        | ļ               |              |              | <u> </u>   | _  | L              |              |              |     |       | 56        | ļ.,            |            |          |                | _        |          |          | _  | 4        |       | 106        | _        | _            | 4-        | -            | -            | ļ            | ┡            | ــ                                     |
|            | 7          | =        | <u> </u>        |              |              | <u> </u>   | -  |                |              | <u> </u>     |     |       | 57        | <u> </u>       | _          | _        | _              | _        | _        | _        |  | 4        |       | 107        | $\vdash$ | +            | _         | +            | +-           | -            | ┡            | ╄                                      |
|            | 8          | =        | ļ               |              | _            | ├  | ┡  | $\vdash$       |              | _            |     |       | 58        | _              | $\dashv$   | _        | -              |          |          | -        | -+   | - 1      |       | 108        |          | +            | +         | +-           | -            | -            | L            | ╀                                      |
|            | 9          | =        | ـــ             | <u> </u>     | <u> </u>     | <b>├</b> —                                       | ļ  |                |              |              |     |       | 59        | _              |            | _        |                | 4        | 4        |          | +  | ┦.       |       | 109        | -        |              | +         | +-           |              | ┼            | <u> </u>     | ╀                                      |
| -          | 10         | =        | ┈               |              | <u> </u>     | ├  | ├  | <u> </u>       | _            | _            |     |       | 60        | Η,             |            | _        |                | _        | -        | 4        | _  | ┥.       |       | 110        | -        |              | +-        | +            | -            | -            | ├            | ╀                                      |
| -          | 11         | =        |                 |              |              | 1  | $\vdash$   | $\vdash\vdash$ | Н            | Н            |     |       | 61        | H              |            |          |                |          |          | -+       | $\dashv$                                       | -  -     |       | 111<br>112 | -        | +            | +         | +-           | +            | +            | <del> </del> | $\vdash$                               |
| <b>-</b>   | 12         | =        | <del> </del>    | <del> </del> | <del> </del> | <del> </del>                                     | <del>  -</del>                                   | $\vdash$       | <del> </del> | <u> </u>     |     |       | 62<br>63  | $\vdash$       | $\vdash$   | -        | $\vdash\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +  | $\dashv$ |       | 112        | -        | +            | +         | +            | +            | +            | $\vdash$     | $\vdash$                               |
| <b>—</b>   | 13<br>14   | =        | -               | <u> </u>     | <u> </u>     | -  |  | <del>   </del> | <del> </del> | <del> </del> |     |       | 64        | $\vdash$       | $\vdash$   | $\dashv$ | $\vdash$       | $\dashv$ | $\dashv$ | $\dashv$ | +  | Η.       |       | 113        | $\dashv$ | +            | +         | +            | +            | +            | $\vdash$     | $\vdash$                               |
|            | 15         | =        | $\vdash$        | <u> </u>     | -            |  | <del>                                     </del> | Н              | $\vdash$     |              |     |       | 65        | $\vdash$       | $\vdash$   | $\dashv$ | $\vdash$       | $\dashv$ | $\dashv$ | $\dashv$ | +  | $\dashv$ |       | 115        | $\dashv$ | +            | +         | ╁            | +            | +            | $\vdash$     | $\vdash$                               |
|            | 16         | =        | $\vdash$        | <del> </del> | $\vdash$     | $\vdash$   | $\vdash$   | Н              | $\vdash$     | $\vdash$     |     |       | 66        | $\vdash$       | $\vdash$   | $\dashv$ | $\vdash\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +  | $\dashv$ |       | 116        | $\dashv$ | +            | +         | +            | +            | +            | $\vdash$     | $\vdash$                               |
|            | 17         | =        | <del> </del>    | _            |              |  | <del> </del>                                     | Н              |              |              |     |       | 67        | $\vdash$       | $\dashv$   | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$ | $\dashv$ | +  | - 40     |       | 117        | $\vdash$ | +            | +         | +            | +            | +            |              | $\vdash$                               |
|            | 18         | =        | ┢               | -            | -            | -  | <u> </u>   | Н              | -            | -            |     |       | 68        | -              |            | ᅱ        | $\dashv$       | -        | -        | -        | ┽  |          |       | 118        | -        | +            | +-        | ╂╌           | +            | ╁            | ┢            | ┝                                      |
| -          | 19         | =        | <u> </u>        |              |              |  | -  | H              |              |              |     |       | 69        | -              |            |          |                | -        | $\dashv$ | -+       | -  | -1 :     |       | 119        |          |              | +-        | ╫            | +            | ╁            |              | ├                                      |
| -          | 20         | =        |                 |              |              |  | $\vdash$   | Н              |              |              |     |       | 70        |                | -          | $\dashv$ |                | $\dashv$ | $\dashv$ | $\dashv$ | +  | - 1      |       | 120        | -        | +            | ╁         | +            | +            | ╁            | ┢            | $\vdash$                               |
| -          | 21         | =        | -               | _            | _            |  | -  |                |              |              |     |       | 71        | -              |            |          | $\vdash$       |          |          | -        | -  | $\dashv$ |       | 121        |          | +-           | ╁         | ╁╴           | ┿            | <del> </del> | 1-           | -                                      |
|            | 22         | =        | -               | -            |              | <del>                                     </del> | ┢  | $\vdash$       |              |              | 1   |       | 72        | -              |            | $\dashv$ |                | $\dashv$ | $\dashv$ | $\dashv$ | +  | $\dashv$ |       | 122        |          |              | ╅╴        | ┿            | ╁╴           | +            | ┢            | $\vdash$                               |
| $\vdash$   | 23         | v        | H               | $\vdash$     |              | ┢  | 一  |                |              |              |     |       | 73        |                |            | -        |                | $\dashv$ | _        | $\dashv$ | +  | ⊣ :      |       | 123        | +        |              | +         | +            | +            | +            | -            | ╁                                      |
| -          | 24         | v        | -               |              |              | ┢  | $\vdash$   | -              |              |              |     |       | 74        | -              |            | $\dashv$ | -              |          | -        | +        | -+-  | - 1      |       | 124        | -        | +-           | ╁         | ╁            | +            | ╁            | H            | ╁                                      |
|            | 25         | v        | $\vdash$        |              | -            | H  | $\vdash$   |                |              |              |     |       | 75        |                |            |          |                |          | -+       | 十        | +  |          |       | 125        |          | 1            | o         | +            | $^{\dagger}$ | 1            |              | t                                      |
|            | 26         | v        | $\vdash$        | _            |              | $\vdash$   |  | П              |              |              |     |       | 76        | _              |            | _        |                | $\neg$   | 7        | $\dashv$ | $\top$   | _        |       | 126        |          | 1            | $\dagger$ | $\top$       | $\top$       | T            | Г            | $\vdash$                               |
|            | 27         | v        | _               | _            | _            | _  |  |                |              |              |     |       | 77        |                |            |          |                |          | 7        | $\dashv$ | +  | _        |       | 127        |          | +            | $\top$    | +            | +            | 1            |              | T                                      |
|            | 28         |          |                 |              |              | _  |  |                |              |              |     |       | 78        |                |            |          |                |          | 寸        | 7        | 7  | -        |       | 128        |          | T            | T         | $\top$       | 1            |              |              |  |
|            | 29         |          |                 |              |              |  |  | П              |              |              |     |       | 79        |                |            |          |                | 一        | $\dashv$ | T        | $\top$   |          |       | 129        |          | T            | T         | $\top$       | $\top$       |              |              |  |
|            | 30         |          |                 |              |              |  |  | П              |              |              |     |       | 80        |                |            | 一        |                |          |          |          | T  |          |       | 130        | $\neg$   | .            | Ť         | T            | 1            |              | T            |  |
|            | 31         |          |                 |              |              |  |  | П              |              |              |     |       | 81        |                |            |          |                |          |          |          |  | - ;      |       | 131        |          | T            | T         | Т            | 1            |              |              | Γ                                      |
|            | 32         |          |                 |              |              |  |  |                |              |              |     |       | 82        |                |            |          |                |          | T        |          |  |          |       | 132        |          |              |           | Т            |              |              |              |  |
|            | 33         |          |                 |              |              |  |  |                |              |              |     |       | 83        |                |            |          |                |          |          |          | Ι  |          |       | 133        |          |              |           | $\perp$      |              |              |              |  |
|            | 34         |          |                 |              |              |  |  |                |              |              |     |       | 84        |                |            |          |                |          |          |          | $\Box$   |          |       | 134        |          | $oxed{\Box}$ | Ι         | $oxed{\Box}$ |              |              |              |  |
|            | 35         |          |                 |              |              | 匚  |  | Ш              |              |              | [   |       | 85        |                |            |          |                |          |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{I}}}$ |          |       | 135        | $\prod$  |              |           |              |              |              |              | L                                      |
| <u></u>    | 36         |          |                 |              |              |  |  | Ш              |              |              |     |       | 86        |                |            | [        |                |          | [        |          |  | _  '     |       | 136        |          |              | 1         | $\perp$      | $\perp$      |              |              | $\perp$                                |
|            | 37         |          |                 |              |              |  |  |                |              |              | ,   |       | 87        |                |            | [        |                | _        |          | _        | 4  | _        |       | 137        | $\perp$  | $\perp$      | $\perp$   | <u> </u>     | $\perp$      | $\perp$      | <u> </u>     | <u> </u>                               |
|            | 38         |          | L_              |              |              | _  | lacksquare                                       | Ш              |              |              |     |       | 88        | Ш              | $\sqcup$   |          |                |          |          |          |  | 4        |       | 138        |          |              | ╽.        | 1            | 1            | ↓_           | <u> </u>     | <u> </u>                               |
|            | 39         | _        | <u> </u>        |              |              |  | <u> </u>   | $\sqcup$       |              |              |     |       | 89        | Щ              |            |          | _              |          |          | _        | $\bot$   | ┙ !      |       | 139        | $\perp$  |              | $\perp$   | _            | ╄-           | ↓_           | _            | <del> </del>                           |
| L          | 40         |          |                 |              |              | ╙  |  | Ш              |              |              | ļ   |       | 90        |                |            | _        |                | _        |          | _        | _  | 4        |       | 140        | _        | $\bot$       | 4         | 4.           | +            | ┞            | _            | $\vdash$                               |
| ļ          | 41         | _        |                 |              |              | ╙  | Щ  | Ш              | Щ            | Щ            |     |       | 91        | Ш              |            | _        | _              | _        | _        | 4        | _  | _        |       | 141        |          | _ _          | _         | 4            | $\bot$       | ↓_           | <u> </u>     | $\vdash$                               |
| L          | 42         | _        | Щ               |              |              | L  | Ш  | Ш              |              | Щ            |     |       | 92        |                |            | _        | _              |          |          | _        | _  | ⊣ ։      |       | 142        | _        | 4            | 4         | 4_           | $\perp$      |              | <u> </u>     | $\vdash$                               |
|            | 43         | <u> </u> | <u> </u>        |              |              | <u> </u>   |  | $\sqcup$       |              | Щ            |     |       | 93        | Щ              | _          | _        |                |          | _        | _        | _  | վ ։      |       | 143        | $\perp$  | $\perp$      | $\perp$   | $\bot$       | +            | ـ            | _            | ₩                                      |
| <u> </u>   | 44         |          | Н               |              |              | L  |  | $\sqcup$       | $\Box$       | Ш            |     |       | 94        | _              |            | _        | _              |          | _        | _        | +  | 4 !      |       | 144        | $\dashv$ | -            | +         | 4            | +            | -            | <u> </u>     | ├—                                     |
| <u> </u>   | 45         |          | $\vdash$        |              | L.,          | $\vdash$   | $\vdash$   | $\sqcup$       |              | $\dashv$     |     |       | 95        | $\vdash$       |            | _        | $\dashv$       | -        | $\dashv$ | $\dashv$ | -  | 4.       |       | 145        | $\dashv$ | - -          | +         | 4-           | $\bot$       |              | _            | ├                                      |
| <u> </u>   | 46         |          | $\vdash$        | $\vdash$     |              | <u> </u>   | $\vdash$   | $\vdash$       | _            | $\dashv$     |     |       | 96        | Щ              |            | -        |                |          | -        | $\dashv$ | +  | -        |       | 146        | +        | +            | +-        | +            | +-           | +-           | _            | ⊢                                      |
|            | 47         |          | $\vdash$        |              | _            | -  | $\vdash$   | $\vdash$       |              | $\dashv$     | ŀ   |       | 97        | $\vdash$       |            |          | $\dashv$       |          | -+       | -        | +  | -        |       | 147        | +        | +            | +-        | +-           |              | +            | -            | -                                      |
|            | 48         |          |                 |              |              | -  |  |                |              | $\dashv$     |     |       | 98        |                |            | $\dashv$ |                |          | -        | -+       |  | _        |       | 148        | -        | +            | +-        | +            | +-           | ⊬            | <u> </u>     | ├                                      |
|            | 49<br>50   |          | $\vdash \vdash$ | $\dashv$     | -            | <u> </u>   | $\vdash$   | $\vdash$       |              |              | ŀ   |       | 99<br>100 | $\vdash\vdash$ |            | -        |                |          | -+       | $\dashv$ | +  | -        |       | 149<br>150 | $\dashv$ | +            | +-        | +            | +            | ┼            | $\vdash$     | ├—                                     |
| ــــا      | <b>5</b> U |          | L               |              |              |  | لــــا   | ш              |              |              | ·L  |       | 100       |                |            |          |                |          | 1        |          |  |          |       | 100        |          |              | 丄         |              |              | <u> </u>     | L_           |  |